

ABSTRACT

The device of the invention comprises a support
5 having a surface comprising an attachment zone (Z)
capable of being functionalized with a probe (A)
capable of binding, according to the pH and reversibly,
to a target (B) so as to attach it; a working electrode
(WE) and a counterelectrode (CE) for this working
10 electrode, arranged on the support in the vicinity of
the attachment zone; and means for applying a given
electric current or a given potential to said working
electrode so as to cause, when said attachment zone and
said electrodes are immersed in an aqueous solution, a
15 local variation in pH in the region of said attachment
zone.

The method for attaching and/or detaching a
target or an object according to the invention uses
this device, the attachment and/or the detachment being
20 electrochemically controlled with the working
electrode.

Fig. 3